



Fig. 1

Constructs	Prokaryotic			Eukaryotic	
	(Growth)			(β-lactamase activity)	
	Kar	Carb/PTG	β-lactamase activity (in medium)	Medium	Cell lysis
Intact β-lactamase	+	+	+	+	+
Signal peptide β-lactamase	+	+	+	+	+
Leaderless β-lactamase	+	-	-	-	+
Met					
Signal peptide β-lactamase	+	+	+	+	+
Linker					
Non-secreted protein β-lactamase fusion	+	-	-	-	+
HSP					
Trans-membrane protein β-lactamase fusion	+	< 0.01%	-/+	-	+
CD4					
5' biased cDNA β-lactamase library	+	~1%	~80%	~50%	NA
cDNA					

FIG. 2